

Title (en)
Digital fluid flow control apparatus.

Title (de)
Digitaler Fluidstrom-Steuerungsapparat.

Title (fr)
Système de contrôle de débit numérique.

Publication
EP 0029225 A1 19810527 (EN)

Application
EP 80107014 A 19801113

Priority
US 9529279 A 19791119

Abstract (en)
The apparatus comprises a generally cylindrical valve body (10) having a cylindrical axis. An inlet (27) to the valve has an axis extending radially from the cylindrical axis. An outlet (29) from the valve has an axis extending radially from the cylindrical axis in alignment with the inlet axis. A cylindrical manifold (20) is coaxially disposed in the valve body in a laterally displaced relationship with the inlet and outlet. An annular manifold (24) is coaxially disposed in the valve body in laterally spaced relationship with the inlet and outlet. The annular manifold lies between the cylindrical manifold and the inlet and outlet and surrounds a portion of the valve body. A passage (21, 25) extends through the valve body from the inlet to one of the manifolds. Another passage (30) extends through the valve body from the outlet to the other manifold. The passage to the cylindrical manifold passes through the portion of the valve body (31) surrounded by the annular manifold. A plurality of digital bistable valve elements (40) connect the cylindrical manifold and the annular manifold.

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CPC (source: EP US)
F16K 27/003 (2013.01 - EP US); **Y10T 137/87314** (2015.04 - EP US)

Citation (search report)
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• US 2807280 A 19570924 - KITTREDGE ARTHUR E
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